Frederick County Government Energy Conservation Initiatives

Updated: January 21, 2011



1 Nigue Services Windenster Hall Silvanisate lase of touting dock door as entry thory 2/14/2006	Proj.				Date	Annual
2 Maintenance Health Dept Replaced instandessent bubbs in bathronous with fluorescent bubbs 2/27/2006 3 Facility Services WH, CH, LEC Use of niter-of-piece clanning products 2/27/2006 3 Maintenance Law Enforcement Center Night serback 1/19/2006 3 Maintenance Law Enforcement Center Night serback 1/19/2006 3 Maintenance 300 Scholls Lame Night serback 1/19/2006 3 Maintenance Wallevyble Library Night serback 1/19/2006 3 Maintenance Wallevyble Library Night serback 1/19/2006 3 Maintenance Malevyble Library Night serback 1/19/2005 3 Maintenance Malevyble Library Night serback 1/19/2005 3 Maintenance Malevyble Library Night serback 1/19/2005 3 Maintenance Use/Friet shop Night serback 1/19/2005 3 Maintenance Nation Night serback 1/19/2005 3 Mainten						Savings
3 Sacility Services Will, CH, LEC Use of micro-fiber cleaning products 5/1/2006 S						\$2,620 \$950
A Maintenance Health Dept				1		\$7,500
5 Maintenance Law Enforcement Center Installed 20 motion detectors in bathroome & maintenance areas 11/18/2005 S						\$2,361
6 Maintenance Sont Roy Center Night sethock 1/17/2006 8 Maintenance Sont Roy Center Night sethock 1/17/2006 9 Maintenance Sont Roy Center Night sethock 1/17/2006 11 Maintenance Sont Roy Center Night sethock 1/17/2006 12 Maintenance Sont Roy Center Night sethock 1/17/2006 13 Maintenance Roy Center Night sethock 1/17/2006 14 Maintenance Roy Center Night sethock 1/17/2006 15 Maintenance Ellifreneity Night sethock 1/17/2006 16 Maintenance Ellifreneity Night sethock 1/17/2006 17 Maintenance Ellifreneity Night sethock 1/17/2006 18 Maintenance Ellifreneity Night sethock 1/17/2006 19 Maintenance Ellifreneity Night sethock 1/17/2005 10 Maintenance Night sethock 1/17/2005 10 Maintenance Night sethock 1/17/2005 11 Maintenance Night sethock 1/17/2005 12 Maintenance Night sethock 1/17/2005 13 Maintenance Night sethock 1/17/2005 14 Maintenance Night sethock 1/17/2005 15 Maintenance Night sethock 1/17/2005 16 Maintenance Night sethock 1/17/2005 17 Maintenance Night sethock 1/17/2006 18 Maintenance Night sethock 1/17/2006 18 Maintenance Night sethock 1/17/2006 19 Maintenance Night sethock 1/17/2006 10 Maintenance Night sethock 1/17/2006 10 Maintenance Night sethock 1/17/2006 10 Maintenance Night sethock 1/17/2006 11 Maintenance Night sethock 1/17/2006 12 Maintenance Night sethock 1/17/2006 13 Maintenance Night sethock 1/17/2006 14 Maintenance Night sethock 1/17/2006 15 Maintenance Night sethock 1/17/2006 16 Maintenance Night sethock 1/17/2006 1/17/2006 17 Maintenance Night sethock 1/17/2006 1/17/2006 18 Maintenance Night sethock 1/17/2006 1/17/20						\$1,000
B Maintenance Sout Key Center Night setback 12/16/2005 1 Maintenance Sout Key Center Night setback 17/20/2005 1 Maintenance Sout Key Center Night setback 17/20/2005 1 Maintenance RCBEC Night setback 4/17/2006 1 Maintenance RCBEC Night setback 4/17/2005 1 Maintenance RCBEC Night setback 1/1/18/2005 1 Maintenance RCBEC Night setback 1/1/2006 1 Maintenance 1/1/2006 1 Maintenance Night setback 1/1/2006 1 Main						\$165
9 Maintenance Middledwom library Nght sethack 11/23/2006 1 1/26/20	7	Maintenance	300 Scholls Lane	Night setback	1/19/2006	\$110
10 Maintenance FigBC Night setback 11/98/2005 12 Maintenance FigBC Night setback Night setback 4/17/2006 13 Maintenance EFF/Feet shop Night setback 4/17/2005 14 Maintenance LEC/freet shop Night setback 4/17/2005 14 Maintenance LEC/freet shop Night setback 4/17/2005 15 Maintenance LEC/freet shop Night setback 4/17/2005 16 Maintenance LEC/freet shop Night setback 4/17/2005 16 Maintenance Mac Start Night setback 4/17/2005 17 Maintenance Mac Start Night setback 4/17/2005 17 Maintenance Mac Start Night setback 4/17/2005 18 Maintenance Mac Start Night setback 4/17/2005 18 Maintenance Mac Mainten		Maintenance	Walkersville Library			\$205
11 Maintenance FCBEC Night setback 1,170,2006						\$1,597
Natinetanence Brunswork Library Night setback 4/17/2006			· ·			\$119
13 Maintenance EEC/Reetishop Night sethack 4/1/2005				Ü		\$652
14 Maintenance LEC/meeting room Night sethack 11/18/2005			·			\$123 \$726
15 Maintenance Head Start Night setback 11/18/2005 5 Maintenance Senior Center Night setback 10/30/2005 17 Maintenance Independent Hose Upgraded thermostats to digital - more precise control 571/2006 18 Maintenance Independent Hose Upgraded thermostats to digital - more precise control 572/2006 19 Maintenance Independent Hose Upgraded thermostats to digital - more precise control 572/2006 19 Maintenance Creen Valley Fire Upgraded thermostats to digital - more precise control 572/2006 19 Maintenance 10 Maintena			, .			\$1,859
16 Maintenance Senior Center Night setback 10/30/2005 17 Maintenance Transit Upgraded thermostats to digital - more precise control 5/2/2006 18 Maintenance Green Valley Fire Upgraded thermostats to digital - more precise control 5/2/2006 18 Maintenance Green Valley Fire Upgraded thermostats to digital - more precise control 2/8/2006			, ,			\$1,581
17 Maintenance Transit Upgraded thermostats to digital - more precise control 5,71/2006				Ü		\$723
18 Maintenance Independent Hose Upgraded thermostats to digital - more precise control 2,8/2,006				Ü		\$15
20 Mgmt Services County-wide Employee awareness campaign-conservation tips; Energy Dog as mascot 6/27/2006 12 Maintenance 300 Scholls Jane Replaced 2 5-ton rooftop HVAC units 7/21/2006 12 Maintenance 300 Scholls Jane Replaced 2 5-ton rooftop HVAC units 7/21/2006 12 Maintenance Adult Detention Center Replaced 1 40-ton rooftop HVAC units 7/21/2006 12 Maintenance Law Enforcement Center Installed variable pend erives on AHU's #3 and #4 81/12006 15 Maintenance Had Start Installed variable for main entrance 6/6/2006 15 Maintenance Independent Hose Replaced 1 2 Single pane windows with double pane windows 6/8/2006 16 Maintenance Hiddenance Hiddenance Replaced 1 2 Single pane windows with double pane windows 6/8/2006 16 Maintenance Heet Services Shop Installed certified from the internance 10/23/2006 18 Maintenance Heet Services Shop Installed certified from the internance 10/23/2006 18 Maintenance 10/23/2006 18 Maintenance 10/23/2006 18 Maintenance 10/23/2006 18 Maintenance	18	Maintenance	Independent Hose			\$15
22 Maintenance Independent Hose Replaced 2 5-ton rooftop HVAC units 77,11/2006	19	Maintenance	Green Valley Fire	Upgraded thermostats to digital - more precise control		\$15
22 Maintenance 300 Scholis Lane Replaced 2 3-ton rooftop HVAC units 7/21/2006 52	20	Mgmt Services			6/27/2006	TBD
Admintenance Adult Detention Center Replaced 1 40-ton rooftop HVAC unit 7/14/2006 \$1 24 Maintenance Head Start Installed variable speed drives on AHU's #3 and #4 8/1/2006 \$2 Maintenance Head Start Installed variable speed drives on AHU's #3 and #4 8/1/2006 \$2 Maintenance Head Start Installed vestibule for main entrance 6/6/2006 \$4 Maintenance Head Start Installed vestibule for main entrance 6/6/2006 \$4 Maintenance Winchester Hall Night setback in West Wing 8/16/2006 \$2 Maintenance Head Start Night setback in West Wing 8/16/2006 \$2 Maintenance Old National Park Installed celling flans 10/23/2006 \$2 Maintenance Old National Park Installed celling flans 10/23/2006 \$2 Maintenance Old National Park Installed celling flans 10/23/2006 \$2 Maintenance Various Installed row timer on street lights to reduce lighting times 12/27/2006 \$2 Admintenance Various Installed 200 occupancy sensors in bathrooms + copy rooms 6/1/2007 \$3 Admintenance Winchester Hall Custodial lighting adhustments after hours 4/1/2007 \$3 Park Strivices Winchester Hall Custodial lighting adhustments after hours 4/1/2007 \$3 Park Strivices Vehicle Fleet Purchased 2 more flex-fluel wherlices bringing fleet total to 8 6/1/2007 \$4 Park Strivices Vehicle Fleet Purchased 2 more flex-fluel wherlices bringing fleet total to 8 6/1/2007 \$3 Park Strivices Vehicle Fleet Purchased 2 more flex-fluel wherlices based on low callouts 7/1/2006 \$3 Park Strivices Vehicle Fleet Purchased 2 laybrid sedans (5 Prius-compact & 7 Mailbus-midsize) 12/1/2008 \$3 Park Strivices Vehicle Fleet Purchased 2 laybrid sedans (5 Prius-compact & 7 Mailbus-midsize) 12/1/2008 \$4 Park Strivices Vehicle Fleet Purchased 4 laybrid sedans (5 Prius-compact & 7 Mailbus-midsize) 12/1/2008 \$4 Park Strivices Park Strivices Park Strivices Park Strivices Park Strivices Park Strivices Park Striv				1		\$1,330
24 Maintenance Law Enforcement Center Installed variable speed drives on AHUS #3 and #4 8,11/2006 5 25 Maintenance Independent Hose Replaced 12 single pane windows with double pane windows 6,68/2006 5 27 Maintenance Winchester Hall Night setback in West Wing 10/23/2006 1 28 Maintenance Fleet Services Shop Installed celling fans 10/23/2006 1 29 Maintenance Various Installed celling fans 10/23/2006 1 30 Maintenance Various Installed event were on street lights to reduce lighting times 12/27/2006 1 31 Facility Services Winchester Hall Custofial lighting adjustments after hours 4/1/2007 5 32 Facility Services Winchester Hall Daylighting 2nd and 3rd floor elevator lobbies on sunny days 4/1/2007 3 33 Fleet Services Vehicle Fleet Purchased 2 more flex-fulle vehicles bringing fleet to 10 8 6/1/2007 3 34 Fleet Services Vehicle Fleet Purchased 3 hybrid SUP's (Escapes) 3/1/2007 5 35 Fleet Services Vehicle Fleet Purchased 5 hybrid SUP's (Escapes) 3/1/2007 5 36 BOE Education BOE Purchased 12 hybrid SUP's (Escapes) 3/1/2007 5 37 Fleet Services Vehicle Fleet Purchased 12 hybrid SUP's (Escapes) 3/1/2007 5 38 Maintenance Vehicle Fleet Purchased 12 hybrid SUP's (Escapes) 3/1/2007 5 39 Maintenance Vehicle Fleet Purchased 12 hybrid SUP's (Escapes) 3/1/2008 5 40 Maintenance Vehicle Fleet Purchased 12 hybrid SUP's (Escapes) 3/1/2008 5 40 Maintenance Vehicle Fleet Purchased 12 hybrid SUP's (Escapes) 3/1/2008 5 40 Maintenance Vehicle Fleet Purchased 12 hybrid SUP's (Escapes) 3/1/2008 5 41 Maintenance Vehicle Fleet Purchased 12 hybrid SUP's (Escapes) 3/1/2008 5 42 Maintenance Vehicle Fleet Purchased 12 hybrid SUP's (Escapes) 3/1/2008 5 43 Maintenance Vehicle Fleet Purchased 12 hybrid SUP's (Escapes) 3/1/2008 5 44 Maintenance Vehicle Fleet Purchased 12 hybrid SUP's (Escapes) 3/						\$944
25 Maintenance Head Start Installed vestibule for main entrance 6,6/2006 5						\$5,438
26 Maintenance Independent Hose Replaced 12 single pane windows with double pane windows 6/8/2006 5				•		\$12,431 \$3,019
Maintenance Winchester Hall Night setback in West Wing 10/23/2006 5						\$7,529
29 Maintenance Fleet Services Shop Installed ceiling fans 10/23/2006						\$1,678
Maintenance						\$481
Maintenance Various Installed 200 occupancy sensors in bathrooms + copy rooms 6,1/2,007 \$ 31 Facility Services Winchester Hall Daylighting adjustments after hours 4,1/2,007 \$ 32 Facility Services Winchester Hall Daylighting adjustments after hours 4,1/2,007 \$ 33 Fleet Services Wehicle Fleet Purchased 2 more flex-fuel vehicles bringing fleet total to 8 6,1/2,007 \$ 34 Fleet Services Vehicle Fleet Purchased 2 more flex-fuel vehicles bringing fleet total to 8 6,1/2,007 \$ 35 Fleet Services Vehicle Fleet Purchased 3 hybrid SUVs (Escapes) 3,1/2,007 \$ 36 BoE Service Vehicles Eliminated take home shop vehicles based on low callouts 7,1/2,006 \$ 36 BoE Services Service Vehicle Fleet Purchased 12 hybrid sedans (5 Prius-compact & 7 Malibus-midsize) 12/1/2,008 \$ 37 Fleet Services Vehicle Fleet Purchased 12 hybrid sedans (5 Prius-compact & 7 Malibus-midsize) 12/1/2,008 \$ 38 DPW + Maintenance DPW Building Replaced HVAC system increasing efficiency 3/1/2,007 \$1 39 Maintenance A30 Pine Ave doors with aluminum double glaze wooden windows & 3 single glaze wooden 440 Maintenance 430 Pine Ave doors with aluminum double glaze windows & 40 ors. 6/14/2,008 \$ 41 Maintenance A30 Pine Ave Installed programable thermostat 3/30/2,008 \$ 42 Maintenance Point of Rocks Installed programable thermostat 3/30/2,008 \$ 43 Maintenance Various Replaced 1,247 T-12 lamps w/T-8 lamps selectronic ballats N/C \$ 44 Maintenance Law Enforcement Center Removed hand dryers in restrooms 5/1/2,008 \$ 45 Maintenance Green Valley Fire Installed and dryers in restrooms 5/1/2,008 \$ 46 Maintenance Green Valley Fire Installed and wire sin restrooms 5/1/2,009 \$ 47 Maintenance Green Valley Fire Installed and wire sin restrooms 5/1/2,009 \$ 48 Maintenance Family Partnership Installed 3 Mirus thermal equalizers 1/2,1/2,009 \$ 50 Maintenance			1			\$356
33 Fleet Services Vehicle Fleet Purchased 2 more flees/fuely vehicles bringing fleet total to 8 6.71/2007 34 Fleet Services Vehicle Fleet Purchased 2 more flees/fuely vehicles bringing fleet total to 8 6.71/2007 35 Fleet Services Vehicle Fleet Purchased 5 hybrid SUV's (Escapes) 3/1/2007 36 Fleet Services Service Vehicles Eliminated take home shop vehicles based on low callouts 7/1/2006 36 BOB Education BOB presented to ECC members the practices/programs that BOB 37 Fleet Services Vehicle Fleet Purchased 12 hybrid sedans (5 Prius-compact & 7 Mailibus-midsize) 12/1/2008 38 DPW + Maintenance DPW Building Replaced HVAC system increasing efficiency 3/1/2007 \$1. 39 Maintenance A30 Pine Ave doors with aluminum double glaze wonden 4.00 Pine Ave doors with aluminum double glaze windows & doors. 6/14/2008 40 Maintenance Hwy Ops/Fleet Installed programable thermostat 3/30/2008 41 Maintenance 430 Pine Ave Installed ducdess heat pump system 7/1/2008 \$3. 42 Maintenance Point of Rocks Replaced HVAC system in restrooms 7/1/2008 \$4. 43 Maintenance Point of Rocks Replaced HVAC system in restrooms 9/1/2008 \$4. 44 Maintenance Various Replaced 1,247 T-12 lamps w/T-8 lamps & electronic ballasts N/C \$4. 45 Maintenance Law Enforcement Center Removed hand dryers in restrooms 5/1/2008 \$4. 46 Maintenance Green Valley Fire Installed new furnace and 14 SEER heat pump 2/26/2009 \$4. 47 Maintenance Green Valley Fire Installed new furnace and 14 SEER heat pump 2/26/2009 \$4. 48 Maintenance Family Partnership Installed 3 Airius thermal equalizers 2/10/2009 \$4. 49 Maintenance Head Start Building Installed 3 Airius thermal equalizers 2/23/2009 \$4. 50 Maintenance Head Start Building Installed 3 Airius thermal equalizers 2/23/2009 \$5. 51 Maintenance Head Start Building Replaced the WAC system i	30	Maintenance	Various		6/1/2007	\$4,326
33 Fleet Services Vehicle Fleet Purchased 2 more flex-fuel vehicles bringing fleet total to 8 6/1/2007 5		*				\$6,172
Fleet Services Vehicle Fleet Purchased 5 hybrid SUV's (Escapes) 3/1/2007 \$ Fleet Services Service Vehicles Eliminated take home shop vehicles based on low callouts 7/1/2006 \$ BOE						\$126
Boe						N/A
BOE BOE Education Implemented Impl						\$7,210
BOE	33	rieet Services	Service venicies		//1/2006	\$5,775
Relet Services Vehicle Fleet Purchased 12 hybrid sedans (5 Prius-compact & 7 Malibus-midsize) 12/1/2008 \$ 38 DPW + Maintenance DPW Building Replaced HVAC system increasing efficiency 3/1/2007 \$1	36	ROF	Education			N/A
Replaced HVAC system increasing efficiency 3/1/2007 \$1				1	12/1/2008	\$2,499
Replacement of 7 single glaze wooden windows & 3 single glaze wooden doors with aluminum double glaze windows & 3 single glaze wooden doors with aluminum double glaze windows & 3 single glaze wooden doors with aluminum double glaze windows & doors. 40 Maintenance Hwy Ops/Fleet Installed programable thermostat 3/30/2008 41 Maintenance 430 Pine Ave Installed programable thermostat 3/30/2008 42 Maintenance Point of Rocks lighting (T12 to T8) 9/1/2008 \$ 43 Maintenance Various Replaced 1,247 T-12 lamps w/T-8 lamps selectronic ballasts N/C \$ 44 Maintenance Law Enforcement Center Removed hand dryers in restrooms Follows Replaced 1,247 T-12 lamps w/T-8 lamps in Receiving & Boiler Room (36 fixtures) 4/1/2008 45 Maintenance Law Enforcement Center Installed a Miriture sw/T-8 lamps in Receiving & Boiler Room (36 fixtures) 4/1/2008 46 Maintenance Green Valley Fire Installed a Miriture sw/T-8 lamps in Receiving & Boiler Room (36 fixtures) 1/2/2/2009 \$ 47 Maintenance S20 N Market - Head Start Installed a Miriture sw/T-8 lamps in Receiving & Boiler Room (36 fixtures) 1/2/2/2009 \$ 48 Maintenance Head Start Building Installed 3 Airius thermal equalizers 2/10/2009 \$ 49 Maintenance Family Partnership Installed 3 Airius thermal equalizers 1/2/1/2009 \$ 50 Maintenance Emmitsburg Community Replaced rooftop unit with gas and A/C unit 2/6/2009 \$ 51 Maintenance Winchester Hall Installed new dual flush handles in Winchester Hall 1/1/2009 \$ 52 Fleet Services Hilghway Ops/Fleet Purchased electric golf cart for hauling equipment on-site 4/1/2009 \$ 53 Maintenance Adult Detention Center Replaced 3 rooftop units with 13 SEER units (programmable t-stats & setbacks) \$ 54 Maintenance Health Dept Installed TPO roof 3/1/2009 \$ 55 Maintenance Health Dept Installed TPO roof 9/1/2009 \$ 66 Maintenance Scott Key Center Replaced HVAC system, increasing efficiency and added insulation 9/1/2009 \$ 67 Maintenance Parks Building (Pine Ave) Replaced Development Horse of 1/1/2009 \$ 68 Vehicles downsized and/or replaced w/more fuel efficient ve						\$10,000
Maintenance			3			, ,,,,,,,,
Maintenance 430 Pine Ave Installed ductless heat pump system 7/1/2008 \$ New boiler & 14 SEER heat pumps, new programmable thermostats & new lighting (T12 to T8) 9/1/2008 \$ 43 Maintenance Various Replaced 1,247 T-12 lamps w/T-8 lamps & electronic ballasts N/C \$ 44 Maintenance Law Enforcement Center Removed hand dryers in restrooms 5/1/2008 \$ 45 Maintenance Law Enforcement Center Removed hand dryers in restrooms 5/1/2008 \$ 46 Maintenance Green Valley Fire Installed a Maintenance S20 N Market - Head Start Installed 3 Mairius thermal equalizers 2/10/2009 \$ 47 Maintenance Head Start Building Installed 3 Airius thermal equalizers 1/21/2009 \$ 48 Maintenance Family Partnership Installed 3 Airius thermal equalizers 2/23/2009 \$ 49 Maintenance Family Partnership Installed 3 Airius thermal equalizers 2/23/2009 \$ 50 Maintenance Emmitsburg Community Replaced rooftop unit with gas and A/C unit 2/6/2009 \$ 51 Maintenance Minchester Hall Installed new dual flush handles in Winchester Hall 1/1/2009 \$ 52 Fleet Services Highway Ops/Fleet Purchased electric golf cart for hauling equipment on-site 4/1/2009 \$ 54 Maintenance Independent Hose Replaced 3 rooftop units with 13 SEER units (programmable t-stats & setbacks) 5/18/2009 \$ 54 Maintenance Minchester Hall Replaced 4 rooftop units Replaced 4 rooftop units 1/1/2009 \$ 55 Maintenance Minchester Hall Replaced 4 rooftop units 1/1/2009 \$ 56 DPW + Maintenance Head Start Building Replaced HVAC system, increasing efficiency 2/1/2005 \$ 57 DPW + Maintenance Head Start Building Replaced HVAC system, increasing efficiency 3/1/2009 \$ 58 Maintenance Head Start Building Replaced HVAC system, increasing efficiency 3/1/2009 \$ 59 Maintenance Head Start Building Replaced HVAC system, increasing efficiency 3/1/2009 \$ 59 Maintenance Head Start Building Replaced HVAC system Installed TPO roof 3/1/2009 \$	39	Maintenance	430 Pine Ave	doors with aluminum double glaze windows & doors.	6/14/2008	\$586
New boiler & 14 SEER heat pumps, new programmable thermostats & new lighting (T12 to T8) 9/1/2008 \$ 43 Maintenance Various Replaced 1,247 T-12 lamps w/T-8 lamps & electronic ballasts N/C \$ 44 Maintenance Law Enforcement Center Removed hand dryers in restrooms 5/1/2008 \$ 45 Maintenance Law Enforcement Center Removed hand dryers in restrooms 5/1/2008 \$ 46 Maintenance Law Enforcement Center Removed hand dryers in restrooms 6/1/2008 \$ 47 Maintenance Green Valley Fire Installed new furnace and 14 SEER heat pump 2/26/2009 \$ 47 Maintenance S20 N Market - Head Start Installed 3 Airius thermal equalizers 2/10/2009 48 Maintenance Head Start Building Installed 3 Airius thermal equalizers 1/21/2009 49 Maintenance Family Partnership Installed 3 Airius thermal equalizers 2/23/2009 50 Maintenance Emmitsburg Community Replaced rooftop unit with gas and A/C unit 2/6/2009 51 Maintenance Highway Ops/Fleet Purchased electric golf cart for hauling equipment on-site 4/1/2009 52 Fleet Services Highway Ops/Fleet Purchased electric golf cart for hauling equipment on-site 4/1/2009 53 Maintenance Independent Hose Setbacks 5/18/2009 \$ 8/15/	40	Maintenance	Hwy Ops/Fleet			\$450
42 Maintenance Point of Rocks lighting (T12 to T8) 9/1/2008 \$ 43 Maintenance Various Replaced 1,247 T-12 lamps w/T-8 lamps & electronic ballasts N/C \$ 44 Maintenance Law Enforcement Center Removed hand dryers in restrooms 5/1/2008 45 Maintenance Law Enforcement Center Removed hand dryers in restrooms 6/1/2008 46 Maintenance Green Valley Fire Installed new furnace and 14 SEER heat pump 2/26/2009 \$ 47 Maintenance S20 N Market - Head Start Installed 3 Airius thermal equalizers 2/10/2009 48 Maintenance Head Start Building Installed 3 Airius thermal equalizers 1/21/2009 49 Maintenance Family Partnership Installed 3 Airius thermal equalizers 2/23/2009 50 Maintenance Emmitsburg Community Replaced rooftop unit with gas and A/C unit 2/6/2009 51 Maintenance Winchester Hall Installed new dual flush handles in Winchester Hall 1/1/2009 52 Fleet Services Highway Ops/Fleet Purchased electric golf cart for hauling equipment on-site 4/1/2009 53 Maintenance Independent Hose setbacks 5/18/2009 \$ 54 Maintenance Adult Detention Center Replaced 3 rooftop units with 13 SEER units (programmable t-stats & setbacks 5/18/2009 \$ 54 Maintenance Adult Detention Center Replaced 4 HVAC system in East Wing & Annex 7/1/2008 \$ 55 Maintenance Head Start Building Replaced HVAC system in East Wing & Annex 7/1/2009 \$ 56 DPW + Maintenance Head Start Building Replaced HVAC system, increasing efficiency 2/1/2005 \$ 58 Maintenance Head Start Building Replaced HVAC system, increasing efficiency 3/1/2009 \$ 59 Maintenance Health Dept Installed TPO roof 3/1/2009 \$ 59 Maintenance Health Dept Installed TPO roof 3/1/2009 \$ 50 Fleet Services Vehicle Fleet (compact trucks) 6/1/2009 \$ 50 Fleet Services Vehicle Fleet (compact trucks) 7/1/2009 \$ 50 Fleet Services Vehicle Fleet (compact trucks) 7/1/2009 \$	41	Maintenance	430 Pine Ave		7/1/2008	\$1,038
Maintenance Various Replaced 1,247 T-12 lamps w/T-8 lamps & electronic ballasts N/C \$					0.44.40000	+0.04.4
Maintenance Law Enforcement Center Removed hand dryers in restrooms Replaced T-12 light fixtures w/ T-8 lamps in Receiving & Boiler Room (36 4/1/2008 4/1/2008 4/1/2008 4/1/2008 4/1/2008 4/1/2008 4/1/2008 4/1/2008 4/1/2008 4/1/2008 4/1/2008 4/1/2008 4/1/2008 4/1/2008 4/1/2009 4/1						\$3,314
As Maintenance Law Enforcement Center fixtures Maintenance Green Valley Fire Installed new furnace and 14 SEER heat pump 2/26/2009 \$						\$1,997
45 Maintenance Law Enforcement Center fixtures) 4/1/2008 46 Maintenance Green Valley Fire Installed new furnace and 14 SEER heat pump 2/26/2009 \$ 47 Maintenance 520 N Market - Head Start Installed 3 Airius thermal equalizers 2/10/2009 48 Maintenance Head Start Building Installed 3 Airius thermal equalizers 1/21/2009 49 Maintenance Family Partnership Installed 3 Airius thermal equalizers 2/23/2009 50 Maintenance Emmitsburg Community Replaced rooftop unit with gas and A/C unit 2/6/2009 51 Maintenance Winchester Hall Installed new dual flush handles in Winchester Hall 1/1/2009 52 Fleet Services Highway Ops/Fleet Purchased electric golf cart for hauling equipment on-site 4/1/2009 53 Maintenance Independent Hose setbacks) 5/18/2009 \$ 54 Maintenance Adult Detention Center Replaced 2 rooftop units with 13 SEER units (programmable t-stats & setbacks) 5/18/2009 \$ 55 Maintenance Minchester Hall Replaced the HVAC system in East Wing & Annex 7/1/2008 \$3 56 DPW + Maintenance Highway Ops/Fleet Replaced HVAC system, increasing efficiency 2/1/2005 \$ 57 DPW + Maintenance Head Start Building Replaced HVAC system, increasing efficiency and added insulation 9/1/2005 \$ 58 Maintenance Health Dept Installed TPO roof 3/1/2009 \$ 59 Maintenance Scott Key Center Replaced HVAC system (increasing efficiency and added insulation 9/1/2005 \$ 59 Maintenance Scott Key Center Replaced HVAC system (increasing efficiency and added insulation 9/1/2009 \$ 50 Fleet Services Vehicle Fleet (compact trucks) 6/1/2009 \$ 51 Maintenance LEC Fleet Shop Replaced and/or replaced w/more fuel efficient vehicles (compact trucks) 6/1/2009 \$ 52 Maintenance Parks Building (Pine Ave) Replaced part of the roof with TPO 7/1/2009	44	mannendnce	Law Ellior cement Center		3/1/2008	\$229
46 Maintenance Green Valley Fire Installed new furnace and 14 SEER heat pump 2/26/2009 \$ 47 Maintenance 520 N Market - Head Start Installed 3 Airius thermal equalizers 2/10/2009 48 Maintenance Head Start Building Installed 3 Airius thermal equalizers 1/21/2009 49 Maintenance Family Partnership Installed 3 Airius thermal equalizers 2/23/2009 50 Maintenance Emmitsburg Community Replaced rooftop unit with gas and A/C unit 2/6/2009 51 Maintenance Winchester Hall Installed new dual flush handles in Winchester Hall 1/1/2009 52 Fleet Services Highway Ops/Fleet Purchased electric golf cart for hauling equipment on-site 4/1/2009 53 Maintenance Independent Hose setbacks) 5/18/2009 \$ 54 Maintenance Adult Detention Center Replaced 3 rooftop units with 13 SEER units (programmable t-stats & setbacks) 5/18/2009 \$ 55 Maintenance Winchester Hall Replaced the HVAC system in East Wing & Annex 7/1/2008 \$3 56 DPW + Maintenance Head Start Building Replaced HVAC system, increasing efficiency 2/1/2005 \$ 57 DPW + Maintenance Head Start Building Replaced HVAC system, increasing efficiency and added insulation 9/1/2005 \$ 58 Maintenance Health Dept Installed TPO roof 3/1/2009 \$ 59 Maintenance Scott Key Center Replaced HVAC system 9/1/2009 \$ 50 Fleet Services Vehicle Fleet (compact trucks) Replaced Vemore fuel efficient vehicles (compact trucks) Replaced 20 metal halide lights w/28-watt fluorescent light fixtures 7/1/2009 \$ 50 Maintenance Parks Building (Pine Ave) Replaced 20 metal halide lights w/28-watt fluorescent light fixtures 7/1/2009 \$ 51 Maintenance Parks Building (Pine Ave) Replaced 20 metal halide lights w/28-watt fluorescent light fixtures 7/1/2009 \$ 52 Maintenance Parks Building (Pine Ave) Replaced 20 metal halide lights m/28-watt fluorescent light fixtures 7/1/2009 \$	45	Maintenance	Law Enforcement Center		4/1/2008	\$158
47Maintenance520 N Market - Head StartInstalled 3 Airius thermal equalizers2/10/200948MaintenanceHead Start BuildingInstalled 3 Airius thermal equalizers1/21/200949MaintenanceFamily PartnershipInstalled 3 Airius thermal equalizers2/23/200950MaintenanceEmmitsburg CommunityReplaced rooftop unit with gas and A/C unit2/6/200951MaintenanceWinchester HallInstalled a new dual flush handles in Winchester Hall1/1/200952Fleet ServicesHighway Ops/FleetPurchased electric golf cart for hauling equipment on-site4/1/200953MaintenanceIndependent Hosesetbacks)5/18/2009\$54MaintenanceAdult Detention CenterReplaced 3 rooftop units8/15/2009\$55MaintenanceWinchester HallReplaced the HVAC system in East Wing & Annex7/1/2008\$356DPW + MaintenanceHighway Ops/FleetReplaced HVAC system, increasing efficiency2/1/2005\$57DPW + MaintenanceHead Start BuildingReplaced HVAC system, increasing efficiency and added insulation9/1/2005\$58MaintenanceHealth DeptInstalled TPO roof3/1/2009\$59MaintenanceScott Key CenterReplaced HVAC system9/1/2009\$60Fleet ServicesVehicle Fleet(compact trucks)6/1/2009\$61MaintenanceLEC Fleet ShopReplaced 20 metal halide lights w/28-watt fluorescent light fixtures <t< td=""><td></td><td></td><td></td><td>,</td><td></td><td>\$3,890</td></t<>				,		\$3,890
48 Maintenance Head Start Building Installed 3 Airius thermal equalizers 1/21/2009 49 Maintenance Family Partnership Installed 3 Airius thermal equalizers 2/23/2009 50 Maintenance Emmitsburg Community Replaced rooftop unit with gas and A/C unit 2/6/2009 51 Maintenance Winchester Hall 1/1/2009 52 Fleet Services Highway Ops/Fleet Purchased electric golf cart for hauling equipment on-site 4/1/2009 53 Maintenance Independent Hose setbacks) 5/18/2009 \$ 54 Maintenance Adult Detention Center Replaced 3 rooftop units with 13 SEER units (programmable t-stats & setbacks) 5/18/2009 \$ 55 Maintenance Minchester Hall Replaced 3 rooftop units Annex 7/1/2008 \$ 56 DPW + Maintenance Highway Ops/Fleet Replaced HVAC system in East Wing & Annex 7/1/2005 \$ 57 DPW + Maintenance Head Start Building Replaced HVAC system, increasing efficiency and added insulation 9/1/2005 \$ 58 Maintenance Health Dept Installed TPO roof 3/1/2009 \$ 59 Maintenance Scott Key Center Replaced HVAC system 9/1/2009 \$ 60 Fleet Services Vehicle Fleet (compact trucks) 6/1/2009 \$ 61 Maintenance Parks Building (Pine Ave) Replaced 20 metal halide lights w/28-watt fluorescent light fixtures 7/1/2009 \$ 62 Maintenance Parks Building (Pine Ave) Replaced part of the roof with TPO 7/1/2009						\$815
49 Maintenance Family Partnership Installed 3 Airius thermal equalizers 2/23/2009 50 Maintenance Emmitsburg Community Replaced rooftop unit with gas and A/C unit 2/6/2009 51 Maintenance Winchester Hall Installed new dual flush handles in Winchester Hall 1/1/2009 52 Fleet Services Highway Ops/Fleet Purchased electric golf cart for hauling equipment on-site 4/1/2009 Replaced 2 rooftop units with 13 SEER units (programmable t-stats & setbacks) 5/18/2009 \$ 54 Maintenance Independent Hose setbacks) 5/18/2009 \$ 55 Maintenance Adult Detention Center Replaced 3 rooftop units with 13 SEER units (programmable t-stats & setbacks) \$ 5/18/2009 \$ 58 Maintenance Winchester Hall Replaced 3 rooftop units August Annex 7/1/2008 \$3 56 DPW + Maintenance Highway Ops/Fleet Replaced HVAC system in East Wing & Annex 7/1/2008 \$3 57 DPW + Maintenance Head Start Building Replaced HVAC system, increasing efficiency and added insulation 9/1/2005 \$ 58 Maintenance Health Dept Installed TPO roof 3/1/2009 \$ 59 Maintenance Scott Key Center Replaced HVAC system 9/1/2009 \$ 60 Fleet Services Vehicle Fleet (compact trucks) 6/1/2009 \$ 61 Maintenance LEC Fleet Shop Replaced 20 metal halide lights w/28-watt fluorescent light fixtures 7/1/2009 \$ 62 Maintenance Parks Building (Pine Ave) Replaced part of the roof with TPO			Head Start Building	Installed 3 Airius thermal equalizers	1/21/2009	\$187
S1 Maintenance Winchester Hall Installed new dual flush handles in Winchester Hall 1/1/2009					2/23/2009	\$114
Fleet Services						TBD
Replaced 2 rooftop units with 13 SEER units (programmable t-stats & setbacks) \$ 5/18/2009 \$ \$ 5/18/2						\$230
53MaintenanceIndependent Hosesetbacks)5/18/2009\$54MaintenanceAdult Detention CenterReplaced 3 rooftop units8/15/2009\$55MaintenanceWinchester HallReplaced the HVAC system in East Wing & Annex7/1/2008\$356DPW + MaintenanceHighway Ops/FleetReplaced HVAC system, increasing efficiency2/1/2005\$57DPW + MaintenanceHead Start BuildingReplaced HVAC system, increasing efficiency and added insulation9/1/2005\$58MaintenanceHealth DeptInstalled TPO roof3/1/2009\$59MaintenanceScott Key CenterReplaced HVAC system9/1/2009\$60Fleet ServicesVehicle Fleet(compact trucks)6/1/2009\$61MaintenanceLEC Fleet ShopReplaced 20 metal halide lights w/28-watt fluorescent light fixtures7/1/2009\$62MaintenanceParks Building (Pine Ave)Replaced part of the roof with TPO7/1/2009	52	Fleet Services	Highway Ops/Fleet		4/1/2009	\$48
54MaintenanceAdult Detention CenterReplaced 3 rooftop units8/15/2009\$55MaintenanceWinchester HallReplaced the HVAC system in East Wing & Annex7/1/2008\$356DPW + MaintenanceHighway Ops/FleetReplaced HVAC system, increasing efficiency2/1/2005\$57DPW + MaintenanceHead Start BuildingReplaced HVAC system, increasing efficiency and added insulation9/1/2005\$58MaintenanceHealth DeptInstalled TPO roof3/1/2009\$59MaintenanceScott Key CenterReplaced HVAC system9/1/200960Fleet ServicesVehicle Fleet(compact trucks)6/1/2009\$61MaintenanceLEC Fleet ShopReplaced 20 metal halide lights w/28-watt fluorescent light fixtures7/1/2009\$62MaintenanceParks Building (Pine Ave)Replaced part of the roof with TPO7/1/2009	[2	Maintananas	Indonondont II		E /10 /2000	¢1 1 T 4
S5 Maintenance Winchester Hall Replaced the HVAC system in East Wing & Annex 7/1/2008 \$3						\$1,154 \$3,318
56DPW + MaintenanceHighway Ops/FleetReplaced HVAC system, increasing efficiency2/1/2005\$57DPW + MaintenanceHead Start BuildingReplaced HVAC system, increasing efficiency and added insulation9/1/2005\$58MaintenanceHealth DeptInstalled TPO roof3/1/2009\$59MaintenanceScott Key CenterReplaced HVAC system9/1/200960Fleet ServicesVehicle Fleet(compact trucks)6/1/2009\$61MaintenanceLEC Fleet ShopReplaced 20 metal halide lights w/28-watt fluorescent light fixtures7/1/2009\$62MaintenanceParks Building (Pine Ave)Replaced part of the roof with TPO7/1/2009					, ,	\$35,000
57DPW + MaintenanceHead Start BuildingReplaced HVAC system, increasing efficiency and added insulation9/1/2005\$58MaintenanceHealth DeptInstalled TPO roof3/1/2009\$59MaintenanceScott Key CenterReplaced HVAC system9/1/200960Fleet ServicesVehicle Fleet(compact trucks)6/1/2009\$61MaintenanceLEC Fleet ShopReplaced 20 metal halide lights w/28-watt fluorescent light fixtures7/1/2009\$62MaintenanceParks Building (Pine Ave)Replaced part of the roof with TPO7/1/2009						\$6,000
58 Maintenance Health Dept Installed TPO roof 3/1/2009 \$ 59 Maintenance Scott Key Center Replaced HVAC system 9/1/2009 60 Fleet Services Vehicle Fleet (compact trucks) 6/1/2009 \$ 61 Maintenance LEC Fleet Shop Replaced 20 metal halide lights w/28-watt fluorescent light fixtures 7/1/2009 \$ 62 Maintenance Parks Building (Pine Ave) Replaced part of the roof with TPO 7/1/2009						\$9,000
59 Maintenance Scott Key Center Replaced HVAC system 9/1/2009 60 Fleet Services Vehicle Fleet (compact trucks) 6/1/2009 \$ 61 Maintenance LEC Fleet Shop Replaced 20 metal halide lights w/28-watt fluorescent light fixtures 7/1/2009 \$ 62 Maintenance Parks Building (Pine Ave) Replaced part of the roof with TPO 7/1/2009			Health Dept			\$1,244
8 vehicles downsized and/or replaced w/more fuel efficient vehicles (compact trucks) 61 Maintenance LEC Fleet Shop Replaced 20 metal halide lights w/28-watt fluorescent light fixtures 7/1/2009 8 Replaced 20 metal halide lights w/28-watt fluorescent light fixtures 7/1/2009			Scott Key Center			TBD
61MaintenanceLEC Fleet ShopReplaced 20 metal halide lights w/28-watt fluorescent light fixtures7/1/200962MaintenanceParks Building (Pine Ave)Replaced part of the roof with TPO7/1/2009						
62 Maintenance Parks Building (Pine Ave) Replaced part of the roof with TPO 7/1/2009						\$4,236
						\$1,023
			Advanced Life Support	Replaced part of the roof with TPO Replaced the roof with TPO		\$49 \$66
			**			
64MaintenanceCourthouseReplaced 60 150-watt flood lights w/15-watt LED lights in 1 courtroom7/1/200965MaintenanceCounty-wideReplaced appox. 350 T8 32-watt lights w/28-watt fluorescent lights7/1/2009						\$1,853 \$320
oo prantesianee County wide	0.5	ameenanee	Journey wide	Inchiaced appear 550 to 52 wait lights w/ 20-watt littorestellt lights	//1/2009	\$320

Proj.				Date	Annual
No.	Lead Agency	Location	Description	Completed	Savings
			Installed wall-packs around building and scheduled to turn off parking lights	•	
66	Maintenance	Health Dept	after certain times at night.		\$5,766
67	Maintenance (MEA)	Law Enforcement Center	Installed 6 ceiling ambient lighting sensors in lobby area	10/1/2009	\$880
68	Maintenance (MEA)	Law Enforcement Center	Installed 35 ambient lighting sensors in stairways	11/1/2009	\$1,760
69	Maintenance (MEA)	Law Enforcement Center	Installed 10 occupancy sensors throughout building	1/1/2010	\$550
			Installed carbon monoxide sensors & controls in parking garage to manage 2		
70	Maintenance (MEA)	Courthouse	exhaust fans	10/1/2009	\$825
71	Maintenance (MEA)	Courthouse	Replaced 25 lighting fixtures in garages	3/1/2010	\$2,000
72	Maintenance (MEA)	Courthouse	Installed 20 occupancy sensors throughout building	1/1/2010	\$825
73	Maintenance (MEA)	Transit	Installed programmable timer on air compressor for when shop is closed	10/30/2009	\$275
74	Maintenance (MEA)	Transit	Installed 2 programmable thermostats for gas fired radiant heaters	3/1/2010	\$992
75	Maintenance (MEA)	Transit	Replaced 24 400-watt metal halides w/32-watt 6-lamp T8	1/1/2010	\$3,795
76	Maintenance (MEA)	Transit	Installed 4 250-watt metal halide fixtures w/32-watt 2-lamp T8	11/1/2009	\$605
77	Maintenance (MEA)	Westview Firestation	Installed 15 wall occupancy sensors throughout building	12/17/2009	\$550
78	Maintenance (MEA)	Westview Firestation	Installed 2 programmable thermostats for gas fired radiant heaters	2/1/2010	\$192
	Maintenance (MEA)	Health Dept	Installed 12 zoned thermostat control sensors	2/1/2010	\$3,905
80	Maintenance (MEA)	Health Dept	Installed 10 additional occupancy sensors throughout building	2/1/2010	\$578
81	Maintenance (MEA)	Health Dept	Replaced 46 75-watt mercury vapor lights w/27-watt compacts in vestibule	5/1/2010	\$559
82	Maintenance (MEA)	DPW Building	Installed 20 wall occupancy sensors throughout building	12/16/2009	\$660
83	Maintenance (MEA)	Senior Center	Installed 2 16-SEER heat pumps with variable speed air handlers	4/1/2010	\$783
84	Maintenance (MEA)	Adult Detention Center	Replaced 8-SEER HVAC with 13-SEER with economizer	4/1/2010	\$352
			Replaced 9 metal halide ceiling fixtures with 9 T5 fixtures in garage, and 2		
85	Maintenance (MEA)	Hwy/Fleet Services Shop	wall mounted T12 40-watt with 2 T5 54-watt	4/1/2010	\$1,100
			Replaced EMS control unit with new open program protocol programming		
	Maintenance (MEA)	Urbana Library/Senior Ctr	capability & reconfigured program for exiting points	4/1/2010	\$12,760
	IIT & Maintenance	Winchester Hall	Renovation of the IIT Data center with hot-aisle containment	6/10/2010	\$10,000
88	Fleet Services	County-wide	Fuel conservation plan for FY2009 and FY2010 (2 year average)	7/1/2010	\$165,000
89	Fleet Services	Vehicle Fleet	Replaced '95 Bronco & minivan with 2 Ford Fusions (hybrid)	7/19/2010	\$2,610
90	Maintenance	Rose Hill Maintenance Shop	Replaced 10 SEER heatpump with 15 SEER heatpump	8/20/2010	\$250
91	Fleet Services	County-wide	Updated the vehicle operator policy to include fuel conservation	11/1/2010	TBD
92	IIT	Winchester Hall	Teleconference capabilities in Winchester Room	12/1/2010	TBD

ON-GOING ANNUAL ENERGY SAVINGS 2005 - 2010 \$385,540

TOTAL ENERGY SAVINGS (Includes total fuel conservation) 2005 - 2010 \$930,000

